

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P454729

Luminaire Tested: **GALN-SA5D-760-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5D-760-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33394 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

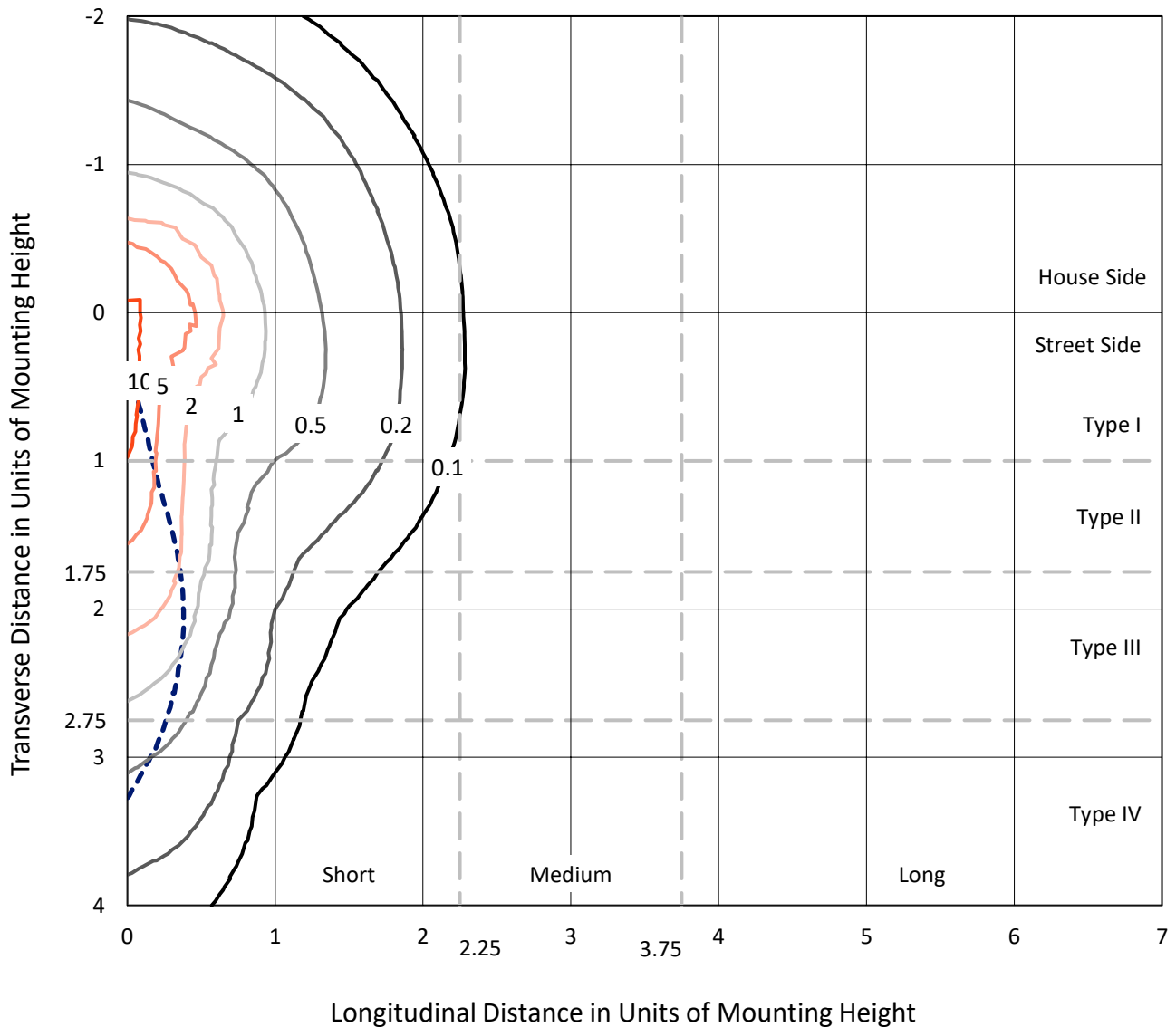
Input Watts (W): 309
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

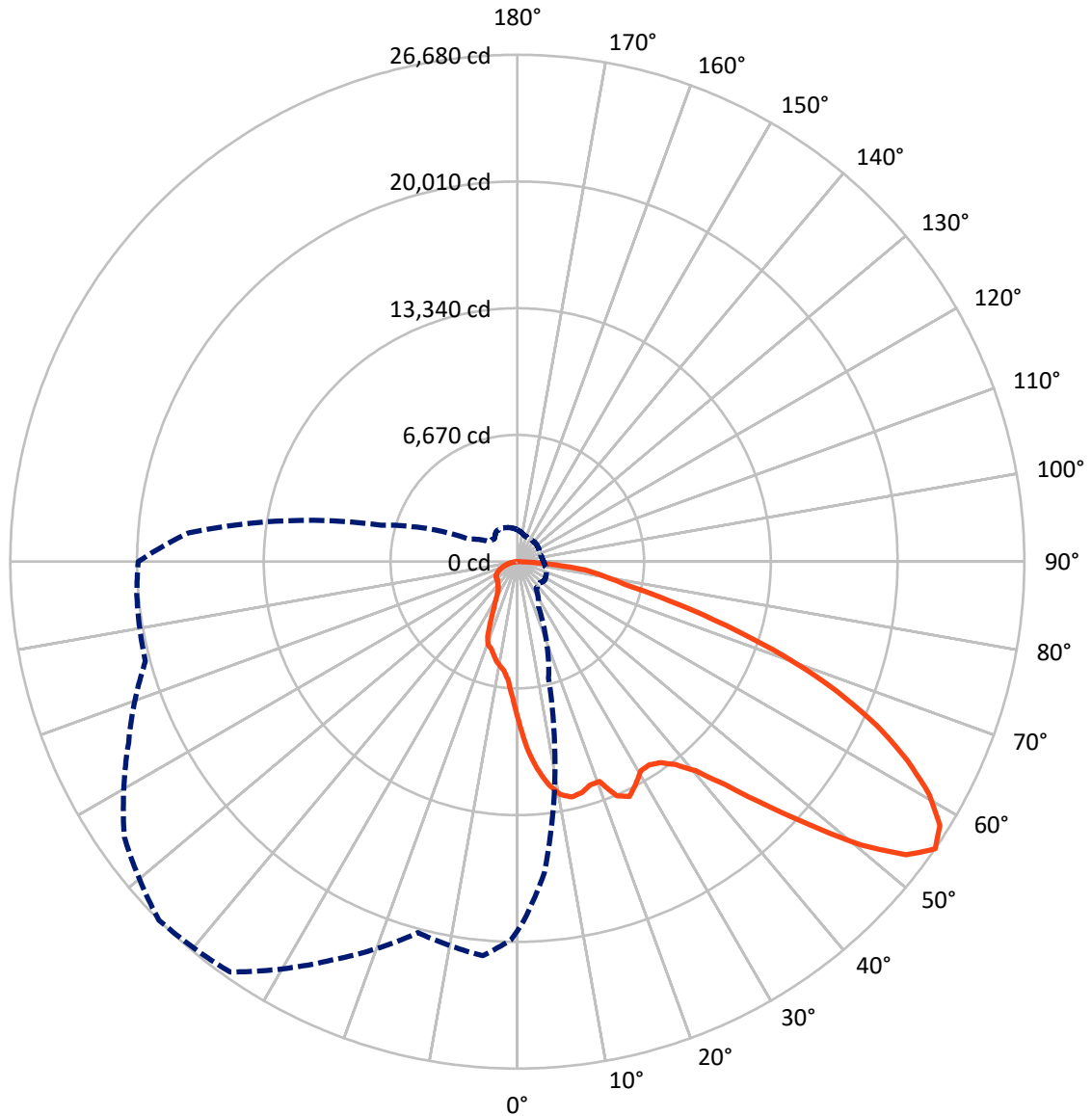
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7304.8	0.0	7304.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	26089.2	0.0	26089.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	33394.0	0.0	33394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.3	2.1
10°-20°	1884.4	5.6
20°-30°	3255.4	9.7
30°-40°	3783.3	11.3
40°-50°	5278.4	15.8
50°-60°	7162.2	21.4
60°-70°	6814.0	20.4
70°-80°	3681.1	11.0
80°-90°	825.0	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	33394.0	100.0
0°-180°	33394.0	100.0

Coefficient of Utilization



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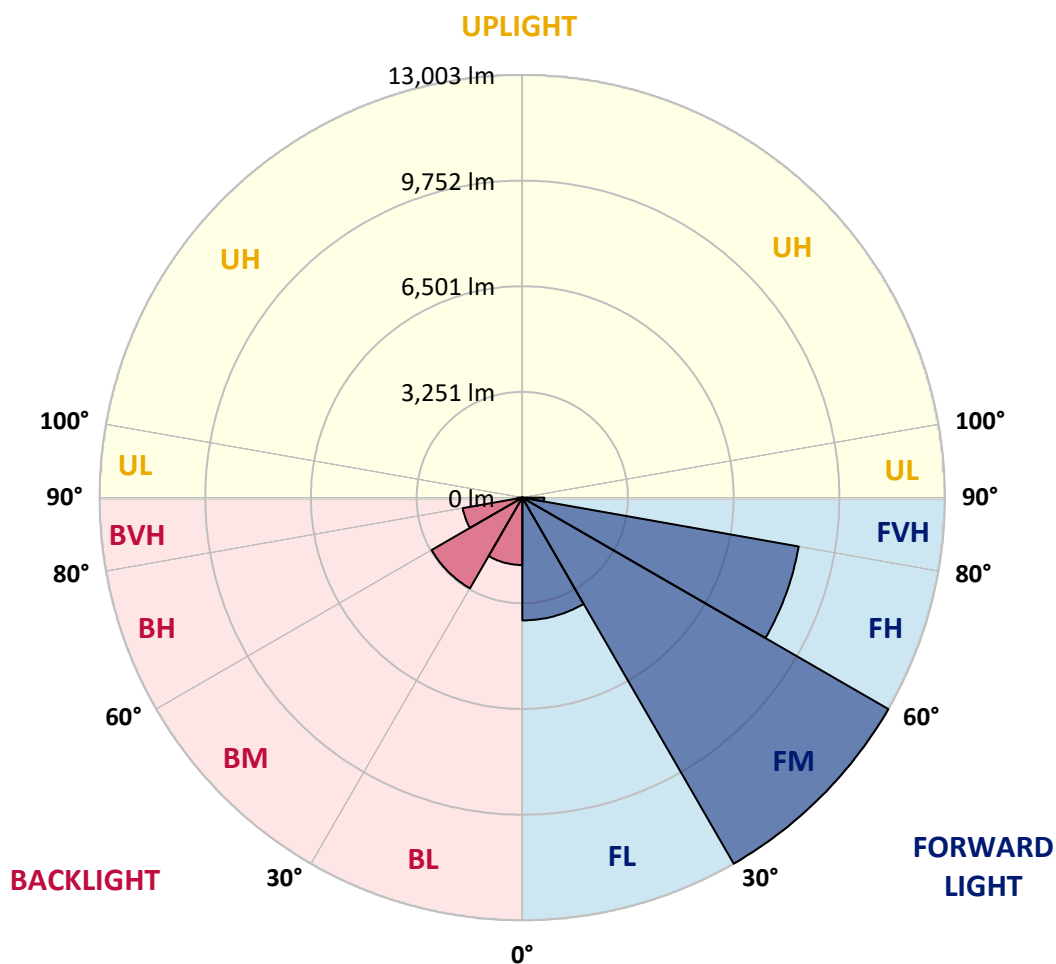
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3776.9	11.3			
FM	(30°-60°)	13002.9	38.9			
FH	(60°-80°)	8635.1	25.9			G4/12000
FVH	(80°-90°)	674.2	2.0			G4/750
BL	(0°-30°)	2073.1	6.2	B3/2500		
BM	(30°-60°)	3220.9	9.6	B3/5000		
BH	(60°-80°)	1860.0	5.6	B3/2500		G3/2500
BVH	(80°-90°)	150.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6
2.5°	9310.3	9275.0	9175.9	8915.9	8653.8	8387.2	8182.3	7926.8	7660.2	7517.0	7334.1
5°	9438.1	9398.4	9164.9	8578.9	8047.9	7490.5	7045.5	6655.6	6496.9	6263.4	6076.1
7.5°	9138.5	9120.8	8770.5	7929.0	7201.9	6472.7	5968.2	5655.4	5371.2	5265.4	5287.4
10°	8865.3	8794.8	8356.4	7257.0	6408.8	5816.2	5454.9	5148.6	4948.2	4895.3	4906.3
12.5°	8638.4	8543.6	8025.9	6805.4	6062.9	5589.3	5128.8	4809.4	4626.5	4677.2	4849.0
15°	8592.1	8464.3	7887.1	6651.2	5873.5	5263.2	4758.7	4390.8	4254.2	4364.3	4639.7
17.5°	8891.7	8730.9	8125.0	6701.8	5692.8	4930.5	4311.5	3890.7	3776.1	3952.4	4311.5
20°	9854.5	9616.5	8867.5	6994.8	5675.2	4765.3	4051.5	3628.5	3677.0	4011.8	4386.4
22.5°	11634.6	11277.7	10167.3	7422.2	5767.7	4723.4	3998.6	3778.3	4044.9	4329.1	4575.8
25°	11987.1	11707.3	10400.8	7519.2	5747.9	4694.8	4148.4	4258.6	4556.0	4697.0	4611.1
27.5°	12185.3	11865.9	10385.4	7038.9	5139.8	4258.6	3965.6	4148.4	4223.3	4086.7	3853.2
30°	12648.0	12315.3	10647.6	6534.4	4232.2	3159.2	2769.3	2694.4	2745.1	2771.5	2687.8
32.5°	13284.7	12956.4	11141.1	6203.9	3659.3	2612.9	2229.5	2123.8	2099.6	2070.9	2037.9
35°	14108.6	13604.1	11625.8	5992.4	3423.6	2416.8	2064.3	1982.8	1949.7	1910.1	1874.8
37.5°	14945.8	14417.1	12238.2	5769.9	3267.2	2280.2	1954.1	1916.7	1859.4	1817.6	1766.9
40°	15835.9	15243.2	12795.6	5576.0	3115.2	2192.1	1874.8	1870.4	1795.5	1747.1	1687.6
42.5°	16607.0	15996.7	13293.5	5457.1	2998.4	2099.6	1826.4	1839.6	1762.5	1689.8	1612.7
45°	17219.4	16620.2	13753.9	5457.1	2903.7	2007.0	1817.6	1808.7	1731.6	1641.3	1553.2
47.5°	17757.0	17137.9	14203.4	5595.9	2844.2	1929.9	1769.1	1784.5	1705.2	1590.6	1504.7
50°	18173.4	17627.0	14809.2	5811.8	2784.7	1868.2	1707.4	1791.1	1683.2	1564.2	1465.1
52.5°	18704.3	18215.2	15538.5	6107.0	2734.0	1799.9	1652.3	1791.1	1681.0	1566.4	1458.5
55°	19440.1	18924.6	16417.5	6351.5	2652.5	1736.0	1603.9	1740.4	1674.4	1555.4	1440.8
57.5°	19955.7	19570.1	17038.8	6514.6	2535.8	1654.5	1559.8	1692.0	1645.7	1513.5	1388.0
58°	19979.9	19603.2	17129.1	6552.0	2507.1	1639.1	1548.8	1669.9	1632.5	1495.9	1370.3
60°	19702.3	19378.5	17146.7	6499.1	2344.1	1562.0	1491.5	1579.6	1562.0	1392.4	1275.6
62.5°	18693.3	18347.4	16435.1	6069.5	2128.2	1467.3	1403.4	1458.5	1418.8	1247.0	1139.0
65°	17259.1	16622.4	14972.3	5395.4	1974.0	1365.9	1284.4	1288.8	1247.0	1123.6	1028.8
67.5°	15349.0	14637.4	12676.6	4547.2	1857.2	1253.6	1143.4	1132.4	1081.7	1002.4	925.3
70°	12998.3	12511.4	10301.7	3699.0	1727.2	1130.2	984.8	978.2	947.3	887.8	819.6
72.5°	10535.2	9916.1	8318.9	2961.0	1568.6	1011.2	837.2	850.4	810.7	768.9	707.2
75°	7774.7	7369.4	6430.8	2374.9	1354.9	881.2	698.4	702.8	685.2	641.1	592.6
77.5°	5120.0	4998.8	4600.1	1559.8	1042.1	700.6	570.6	575.0	561.8	522.1	471.5
80°	3445.6	3364.1	3117.4	1004.6	696.2	506.7	440.6	445.0	442.8	401.0	332.7
82.5°	2123.8	2088.5	2009.2	678.6	482.5	363.5	290.8	304.0	328.3	282.0	226.9
85°	1002.4	1004.6	1213.9	370.1	284.2	233.5	158.6	169.6	169.6	169.6	127.8
87.5°	130.0	136.6	167.4	156.4	103.5	88.1	57.3	48.5	41.9	55.1	39.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6
2.5°	7270.2	7226.2	7131.4	7109.4	7096.2	7133.6	7034.5	7060.9	7016.9	7140.2	7120.4
5°	6087.2	6091.6	6168.7	6219.3	6237.0	6219.3	6153.3	6038.7	5950.6	5915.3	5924.1
7.5°	5245.6	5322.7	5454.9	5602.5	5736.9	5776.5	5739.1	5521.0	5283.0	5133.2	5084.8
10°	4965.8	5069.3	5221.3	5338.1	5457.1	5551.8	5571.6	5402.0	5120.0	4765.3	4626.5
12.5°	4981.2	5122.2	5267.6	5305.1	5294.0	5331.5	5313.9	5285.2	5100.2	4648.5	4417.2
15°	4835.8	5003.2	5104.6	5084.8	5049.5	5016.5	4970.2	4897.5	4831.4	4514.2	4258.6
17.5°	4500.9	4672.8	4756.5	4763.1	4763.1	4754.3	4641.9	4615.5	4606.7	4452.5	4296.0
20°	4562.6	4657.4	4619.9	4558.2	4575.8	4635.3	4569.2	4556.0	4606.7	4675.0	4646.3
22.5°	4597.9	4564.8	4282.8	4009.6	3948.0	4133.0	4170.5	4318.1	4523.0	4769.7	4930.5
25°	4379.8	4113.2	3608.7	3300.2	3126.2	3298.0	3522.8	3795.9	4102.2	4419.4	4606.7
27.5°	3661.6	3458.9	3097.6	2820.0	2668.0	2694.4	2886.1	3135.0	3419.2	3632.9	3769.5
30°	2758.3	2668.0	2480.7	2386.0	2293.4	2271.4	2352.9	2447.6	2573.2	2599.7	2634.9
32.5°	2031.3	2018.0	2029.1	1998.2	1980.6	1978.4	1954.1	1976.2	1989.4	2004.8	1974.0
35°	1837.4	1819.8	1788.9	1780.1	1769.1	1773.5	1762.5	1751.5	1760.3	1773.5	1782.3
37.5°	1738.2	1711.8	1667.7	1652.3	1652.3	1658.9	1641.3	1636.9	1652.3	1694.2	1716.2
40°	1661.1	1630.3	1579.6	1559.8	1573.0	1590.6	1566.4	1557.6	1595.0	1639.1	1674.4
42.5°	1588.4	1564.2	1515.7	1493.7	1504.7	1537.8	1502.5	1495.9	1544.4	1592.8	1634.7
45°	1526.7	1502.5	1458.5	1447.4	1451.8	1482.7	1458.5	1458.5	1504.7	1557.6	1595.0
47.5°	1478.3	1447.4	1418.8	1410.0	1414.4	1432.0	1427.6	1427.6	1471.7	1526.7	1564.2
50°	1429.8	1403.4	1365.9	1370.3	1381.3	1405.6	1403.4	1410.0	1454.0	1522.3	1562.0
52.5°	1407.8	1368.1	1326.3	1330.7	1363.7	1392.4	1383.5	1390.2	1440.8	1568.6	1625.9
55°	1383.5	1330.7	1282.2	1288.8	1326.3	1368.1	1357.1	1365.9	1425.4	1599.5	1678.8
57.5°	1337.3	1275.6	1222.7	1227.1	1282.2	1326.3	1308.6	1319.7	1390.2	1566.4	1650.1
58°	1317.5	1264.6	1213.9	1216.1	1269.0	1317.5	1297.6	1306.4	1379.1	1557.6	1636.9
60°	1233.7	1202.9	1158.8	1161.0	1211.7	1253.6	1242.5	1251.4	1321.9	1493.7	1553.2
62.5°	1119.2	1101.5	1090.5	1090.5	1121.4	1161.0	1172.0	1183.1	1247.0	1350.5	1403.4
65°	995.8	995.8	998.0	998.0	1017.8	1068.5	1075.1	1103.8	1163.2	1213.9	1253.6
67.5°	912.1	907.7	912.1	901.1	909.9	940.7	973.8	1000.2	1061.9	1097.1	1110.4
70°	804.1	801.9	804.1	788.7	799.7	826.2	848.2	892.3	956.1	982.6	989.2
72.5°	698.4	698.4	702.8	691.8	691.8	720.4	735.8	784.3	843.8	859.2	861.4
75°	588.2	594.8	594.8	579.4	583.8	601.4	621.3	660.9	716.0	727.0	727.0
77.5°	467.1	491.3	491.3	475.9	482.5	484.7	511.1	530.9	572.8	577.2	559.6
80°	339.3	363.5	383.3	370.1	381.1	367.9	383.3	396.6	438.4	418.6	389.9
82.5°	242.3	260.0	275.4	277.6	266.6	242.3	262.2	264.4	284.2	257.8	242.3
85°	134.4	149.8	169.6	160.8	143.2	127.8	134.4	138.8	136.6	130.0	121.2
87.5°	35.2	37.5	41.9	30.8	28.6	24.2	33.0	33.0	37.5	39.7	37.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6
2.5°	7135.8	7232.8	7442.1	7600.7	7794.6	8030.3	8307.9	8587.7	8889.5	8984.2	9116.4
5°	5904.3	6146.6	6248.0	6536.6	6823.0	7252.6	7710.8	8241.8	8823.4	9103.2	9372.0
7.5°	5045.1	5175.1	5280.8	5492.3	5836.0	6358.1	6933.2	7596.3	8420.2	8827.8	9222.2
10°	4582.4	4595.7	4725.6	4987.8	5287.4	5747.9	6292.1	7034.5	7953.2	8448.9	8911.5
12.5°	4276.2	4218.9	4359.9	4633.1	4972.4	5397.6	5897.7	6604.9	7616.1	8125.0	8684.6
15°	4007.4	3917.1	4022.9	4302.7	4637.5	5137.6	5675.2	6424.2	7483.9	8076.6	8697.8
17.5°	4014.0	3765.1	3802.5	4038.3	4370.9	4879.9	5532.0	6417.6	7684.4	8367.4	9103.2
20°	4509.7	4111.0	3941.3	3985.4	4307.1	4862.2	5598.1	6726.1	8343.1	9338.9	10125.4
22.5°	4996.6	4756.5	4483.3	4393.0	4569.2	5150.8	6018.9	7455.3	9775.2	11275.5	12696.5
25°	4827.0	5031.9	4963.6	4835.8	4875.5	5357.9	6305.3	8054.5	10887.7	12577.5	13912.6
27.5°	3862.0	4234.4	4309.3	4307.1	4322.5	4719.0	5670.8	7651.4	11026.5	12826.4	14102.0
30°	2714.2	2747.3	2786.9	2864.0	2934.5	3289.2	4437.0	6717.2	10964.8	12938.8	14216.6
32.5°	1958.6	2002.6	2057.7	2163.4	2330.9	2782.5	3881.9	6419.8	11290.9	13403.7	14551.5
35°	1791.1	1841.8	1894.7	2015.8	2174.5	2593.0	3661.6	6296.5	11826.2	14157.1	15152.9
37.5°	1738.2	1795.5	1841.8	1929.9	2057.7	2456.5	3461.1	6212.7	12374.8	14954.6	15959.3
40°	1700.8	1766.9	1804.3	1874.8	1963.0	2330.9	3282.6	6146.6	12905.8	15683.9	16607.0
42.5°	1667.7	1736.0	1784.5	1835.2	1907.9	2218.5	3124.0	6080.6	13366.2	16391.1	17252.5
45°	1628.1	1714.0	1775.7	1815.4	1879.2	2123.8	3002.8	6027.7	13890.5	17018.9	17904.6
47.5°	1595.0	1689.8	1766.9	1813.2	1837.4	2057.7	2905.9	6100.4	14520.6	17675.5	18510.4
50°	1597.2	1687.6	1784.5	1857.2	1793.3	2002.6	2846.4	6389.0	15340.2	18455.4	18988.5
52.5°	1667.7	1777.9	1855.0	1872.6	1731.6	1936.5	2815.6	6893.5	16309.5	19144.9	19471.0
55°	1747.1	1861.6	1945.3	1934.3	1698.6	1852.8	2809.0	7431.1	17371.4	19949.1	20098.9
57.5°	1718.4	1885.9	2013.6	1956.4	1700.8	1771.3	2780.3	7865.1	18259.3	20550.5	20720.1
58°	1709.6	1877.0	2022.4	1951.9	1694.2	1747.1	2773.7	7902.5	18382.7	20592.4	20808.3
60°	1623.7	1799.9	2015.8	1918.9	1656.7	1681.0	2701.0	8023.7	18349.6	20376.5	20861.1
62.5°	1467.3	1612.7	1863.8	1758.1	1542.2	1592.8	2538.0	7873.9	17455.2	19336.6	20087.9
65°	1291.0	1399.0	1566.4	1546.6	1379.1	1502.5	2315.5	7281.2	15664.0	17649.0	18439.9
67.5°	1158.8	1247.0	1352.7	1324.1	1240.3	1381.3	2075.3	6278.8	13654.8	15622.2	16618.0
70°	1024.4	1092.7	1145.6	1125.8	1099.3	1262.4	1861.6	5095.8	11729.3	13696.7	14661.6
72.5°	887.8	951.7	995.8	967.2	951.7	1136.8	1687.6	3954.6	9264.0	11299.7	12540.0
75°	742.4	806.3	837.2	804.1	795.3	1002.4	1429.8	2954.4	6950.8	8711.1	9781.8
77.5°	575.0	643.3	683.0	671.9	676.4	824.0	1154.4	2022.4	4970.2	5937.4	7065.3
80°	403.2	478.1	504.5	493.5	524.3	627.9	815.1	1284.4	3428.0	3853.2	4648.5
82.5°	249.0	319.4	323.9	334.9	356.9	464.9	614.7	782.1	2152.4	2225.1	2802.3
85°	125.6	152.0	163.0	180.7	200.5	284.2	350.3	484.7	1385.7	1048.7	1566.4
87.5°	41.9	44.1	52.9	66.1	81.5	116.8	149.8	198.3	343.7	189.5	484.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6	8380.6
2.5°	9383.0	9570.3	9706.9	9832.4	9711.3	9700.2	9581.3	9389.6	9310.3	9310.3
5°	9936.0	10374.4	10729.1	10956.0	10859.1	10625.5	10240.0	9748.7	9484.3	9438.1
7.5°	10088.0	10953.8	11612.5	11846.1	11683.0	11167.5	10429.5	9601.1	9222.2	9138.5
10°	9995.5	11121.2	12088.4	12458.5	12231.6	11451.7	10444.9	9429.3	8962.2	8865.3
12.5°	9898.5	11143.3	12176.5	12711.9	12564.3	11680.8	10557.3	9316.9	8777.1	8638.4
15°	9969.0	11152.1	12068.6	12621.6	12716.3	11956.2	10742.3	9398.4	8739.7	8592.1
17.5°	10414.1	11319.5	11914.4	12361.6	12694.3	12330.7	11268.9	9788.4	9074.6	8891.7
20°	11343.8	11720.5	12002.5	12348.4	12883.7	13095.2	12346.2	10859.1	10015.3	9854.5
22.5°	14035.9	13967.6	13390.4	13383.8	14159.3	15007.5	14956.8	13035.7	11766.8	11634.6
25°	15045.0	14727.7	13892.7	13690.1	14031.5	15340.2	15150.7	13480.8	12308.7	11987.1
27.5°	14650.6	13864.1	13315.5	13269.3	13156.9	14392.8	14848.9	13661.4	12498.2	12185.3
30°	14626.4	13469.7	12685.4	12778.0	12885.9	14066.8	15016.3	14227.6	12982.9	12648.0
32.5°	14685.9	13524.8	12731.7	12749.3	13071.0	14115.3	15201.4	14844.5	13619.6	13284.7
35°	14926.0	13837.7	13026.9	12985.1	13487.4	14432.5	15516.4	15813.8	14489.8	14108.6
37.5°	15313.7	14461.1	13566.7	13555.7	14284.9	15005.3	15908.6	16792.0	15355.6	14945.8
40°	15884.3	15190.4	14527.2	14467.8	15368.8	15937.2	16417.5	17834.1	16362.4	15835.9
42.5°	16573.9	16065.0	15794.0	16029.8	16895.6	16983.7	17210.6	18796.8	17219.4	16607.0
45°	17212.8	17188.6	17565.3	18191.0	18695.5	18166.8	18039.0	19442.4	17884.8	17219.4
47.5°	17972.9	18629.4	19766.2	20682.7	21211.4	19543.7	18746.2	19863.1	18369.4	17757.0
50°	18744.0	20354.4	22169.8	23447.6	23559.9	21039.6	19233.1	20259.7	18810.1	18173.4
52.5°	19554.7	21731.4	24148.2	25633.1	25415.0	22341.6	19704.5	20528.5	19263.9	18704.3
55°	20259.7	22575.2	25254.1	26679.5	26360.1	23134.7	20213.4	20819.3	19911.6	19440.1
57.5°	20654.1	22645.7	24978.7	26223.5	25877.6	22980.5	20447.0	21035.2	20325.8	19955.7
58°	20711.3	22550.9	24734.2	25959.1	25606.6	22850.5	20444.8	21026.4	20352.2	19979.9
60°	20660.7	21936.3	23824.3	24914.8	24544.7	22035.4	20361.0	20861.1	20017.4	19702.3
62.5°	20191.4	20870.0	22253.5	23046.6	22940.9	20762.0	20017.4	20237.7	18997.3	18693.3
65°	19574.5	19415.9	20242.1	20803.9	20883.2	19808.1	19675.9	18889.4	17688.7	17259.1
67.5°	18825.5	17768.0	17765.8	18085.2	18217.4	18340.8	18964.3	17424.3	15802.8	15349.0
70°	17554.3	15227.8	14527.2	14904.0	14793.8	15835.9	17693.1	15366.6	13529.2	12998.3
72.5°	15223.4	12084.0	10962.6	11447.3	11169.7	12418.9	15481.2	12645.8	11187.3	10535.2
75°	12339.6	9039.3	7882.7	8327.7	8155.9	9420.5	12881.5	9184.7	8023.7	7774.7
77.5°	9581.3	6549.8	5877.9	5816.2	5944.0	7010.3	9449.1	6201.7	5289.6	5120.0
80°	6155.5	4688.2	4727.9	4648.5	4714.6	4419.4	5736.9	3956.8	3582.2	3445.6
82.5°	4051.5	3267.2	3895.1	3595.5	3414.8	2972.0	3762.9	2590.8	2198.7	2123.8
85°	2760.5	2405.8	2189.9	1674.4	1971.8	2289.0	2822.2	1394.6	1106.0	1002.4
87.5°	1247.0	837.2	614.7	378.9	599.2	691.8	1370.3	163.0	125.6	130.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)